

**HYDROS Science Team Meeting  
November 3 and 4, 2004  
Hilton Hotel, San Francisco**

Wednesday November 3, 2004

Introduction

9:00- 9:10	Mission status and significant events	(Entekhabi)
9:10- 9:30	Project status, schedule and milestones	(Kim)

Science Requirements & Products

9:30-10:00	Science Requirements Flow-down	(Njoku/Holden)
10:00-10:20	Ground Data Processing Architecture	(Kim)
10:20-10:30	Break	
10:30-12:00	Baseline Product Algorithms and Roadmaps	
	Level 1 Radiometer	(Piepmeier)
	Level 2-3 Radiometer Soil Moisture	(O'Neill, Njoku, Shi)
12:00-1:00	Lunch	
1:00-2:30	Level 1 Radar	(CSA)
	Level 2-3 Radar Soil Moisture	(vanZyl, Kim, Shi)
	Level 3 Radar/Radiometer Soil Moisture	(Entekhabi, Houser)
2:30-2:45	Break	
2:45-3:30	Level 3 Freeze-Thaw	(McDonald/Kimball)
	Combined soil moisture and freeze-thaw science strategy (Level 4)	(Running, Wood)
	Assimilation and data-denial experiments	(Belair, +)
3:30-5:00	Discussion	
7:00+	Dinner	

Thursday November 4, 2004

Engineering Trade-Off Studies

9:00-9:30	Orbit and sampling	(Spencer)
9:30-10:00	Antenna design	(Spencer)
10:00-10:30	Radar design	(Spencer)
10:30-10:45	Break	
10:45-11:15	Radio-frequency interference (RFI)	(Piepmeier, Spencer)
11:15-12:00	Additional considerations on engineering issues	(Discussion)
12:00-1:00	Lunch	

Field Experiments, OSSEs, Papers

1:00-1:20	Review of SMEX04	(Jackson)
1:20-2:10	Future field experiments (tower, airborne)	(Discussion)
2:10-2:30	Expanded OSSE activities (soil moisture and freeze-thaw)	

		(Crow, McDonald, Kimball)
2:30-3:00	Status of Papers Submitted and In Progress	(POCs)
3:00-3:15	Break	
3:15-3:45	ISMWG Activities	(Jackson)
3:45-4:00	Web site, links, and project library	(Houser)
4:00-5:00	Wrap-up	(Entekhabi, Njoku)